

Amendments to the Claims:

In the claims:

Please AMEND Claims 1, 3-9, 11-13 and 16-17 as follows such that the pending claims will read as follows:

[c1] Claim 1 (Currently Amended): An apparatus for transferring digital data at a high rate between a host device and a client device over a communication path for presentation to a user, comprising:

means for generating one or more of a plurality of pre-defined packet structures and linking them together to form a pre-defined communication protocol;

means for communicating a pre-selected set of digital control and presentation data between said host device and said client device[[s]] over said communication path using said communication protocol;

means for coupling at least one host link controller residing in said host device to said client device through said communications path, the host link controller being configured to generate, transmit, and receive packets forming said communications protocol, and to form digital presentation data into one or more types of data packets; and

means for transferring data in ~~the packet~~ the packet form ~~of packets~~ over said communications path using said link controller[[s]].

[c2] Claim 2 (Original): The apparatus of Claim 1 further comprising means for grouping said packets together within media frames for communication between said host and client, the media frames having a pre-defined fixed length with a pre-determined number of said packets have differing and variable lengths.

[c3] Claim 3 (Currently Amended): The apparatus of Claim 2 further comprising:

means for negotiating between ~~said~~ host and client link drivers ~~the use of~~ to one of a plurality of transfer modes in each direction, each allowing the transfer of a a different maximum number[[s]] of bits of data in parallel over a given time period; and

means for dynamically adjusting between said transfer modes during transfer of data.

[c4] Claim 4 (Currently Amended): The apparatus of Claim 1 further comprising means for commencing transfer of packets from said host device with a Sub-frame Header type packet.

[c5] Claim 5 (Currently Amended): The apparatus of Claim 1 further comprising means for transferring information between said host and client devices bi-directionally over said communications link path.

[c6] Claim 6 (Currently Amended): The apparatus of Claim 1 further comprising means for transferring data from said host device to said client device for presentation to a client user using one or more Video Stream type packets for video type data, and Audio Stream type packets for audio type data.

[c7] Claim 7 (Currently Amended): The apparatus of Claim 1 further comprising means for transferring data from said client device to said host device using one or more Reverse Link Encapsulation type packets.

[c8] Claim 8 (Currently Amended): The apparatus of Claim 1 further comprising means for requesting display capabilities information

from the client device by ~~[[a]]~~ the host link controller so as to determine what type of data and data rates said client device is capable of accommodating through said interface.

[c9] Claim 9 (Currently Amended): The apparatus of Claim 8 further comprising means for communicating the display capabilities information or presentation capabilities information from a client link controller to said host link controller using at least one Display Capability type packet.

[c10] Claim 10 (Original): The apparatus of Claim 1 wherein said communication path comprises a cable having a series of four or more conductors and a shield.

[c11] Claim 11 (Currently Amended): The apparatus of Claim 1 further comprising means for operating a USB data interface by ~~each of~~ said link controller~~[[s]]~~ as a part of said communication path.

[c12] Claim 12 (Currently Amended): The apparatus of Claim 1 further comprising means for storing multimedia data to be transferred to said client device at said host device.

[c13] Claim 13 (Currently Amended): The apparatus of Claim 1 further comprising means for generating Filler type packets by said host device to occupy periods of forward link transmission that do not have data.

[c14] Claim 14 (Original): The apparatus of Claim 1 further comprising means for transferring interface-user defined data using User-Defined Stream type packets.

[c15] Claim 15 (Original): The apparatus of Claim 1 further comprising means for transferring data to or from user input devices associated with said client device using Keyboard Data and Pointing Device Data type packets.

[c16] Claim 16 (Currently Amended): The apparatus of Claim 1 further comprising means for terminating [[the]] transfer of data in either direction over said communication path using a Link Shutdown type packet for transmission by said host device to said client device.

[c17] Claim 17 (Currently Amended): A communication system for transferring digital data at a high rate between a host device and a client device over a communication path, the system comprising:
a processor, said processor configured to generate one or more of a plurality of pre-defined packet structures and link them together to form a pre-defined communication protocol; to form digital presentation data into one or more types of data packets; communicate a pre-selected set of digital control and presentation data between said host device and said client device[[s]] over the communication path using the communication protocol; and transfer data in the packet form ~~of packets~~ over the communication[[s]] path.